

FIG. 1A

ATGGCCCAAG	CCCTGCCCTG	GCTCCTGCTG	TGGATGGGCG	CGGGAGTGCT
GCCTGCCCAC	GGCACCCAGC	ACGGCATCCG	GCTGCCCCTG	CGCAGCGGCC
TGGGGGGCGC	CCCCCTGGGG	CTGCGGCTGC	CCCGGGAGAC	CGACGAAGAG
CCCGAGGAGC	CCGGCCGGAG	GGGCAGCTTT	GTGGAGATGG	TGGACAACCT
GAGGGGCAAG	TCGGGGCAGG	GCTACTACGT	GGAGATGACC	GTGGGCAGCC
CCCCGCAGAC	GCTCAACATC	CTGGTGGATA	CAGGCAGCAG	TAACTTTGCA
GTGGGTGCTG	CCCCCCACCC	CTTCCTGCAT	CGCTACTACC	AGAGGCAGCT
GTCCAGCACA	TACCGGGACC	TCCGGAAGGG	TGTGTATGTG	CCCTACACCC
AGGGCAAGTG	GGAAGGGGAG	CTGGGCACCG	ACCTGGTAAG	CATCCCCCAT
GGCCCCAACG	TCACTGTGCG	TGCCAACATT	GCTGCCATCA	CTGAATCAGA
CAAGTTCTTC	ATCAACGGCT	CCAACTGGGA	AGGCATCCTG	GGGCTGGCCT
ATGCTGAGAT	TGCCAGGCCT	GACGACTCCC	TGGAGCCTTT	CTTTGACTCT
CTGGTAAAGC	AGACCCACGT	TCCCAACCTC	TTCTCCCTGC	AGCTTTGTGG
TGCTGGCTTC	CCCCTCAACC	AGTCTGAAGT	GCTGGCCTCT	GTCGGAGGGA
GCATGATCAT	TGGAGGTATC	GACCACTCGC	TGTACACAGG	CAGTCTCTGG
TATACACCCA	TCCGGCGGGA	GTGGTATTAT	GAGGTGATCA	TTGTGCGGGT
GGAGATCAAT	GGACAGGATC	TGAAAATGGA	CTGCAAGGAG	TACAACTATG
ACAAGAGCAT	TGTGGACAGT	GGCACCACCA	ACCTTCGTTT	GCCCAAGAAA
GTGTTTGAAG	CTGCAGTCAA	ATCCATCAAG	GCAGCCTCCT	CCACGGAGAA
GTTCCCTGAT	GGTTTCTGGC	TAGGAGAGCA	GCTGGTGTGC	TGGCAAGCAG
GCACCACCCC	TTGGAACATT	TTCCCAGTCA	TCTCACTCTA	CCTAATGGGT
GAGGTTACCA	ACCAGTCCTT	CCGCATCACC	ATCCTTCCGC	AGCAATACCT
GCGGCCAGTG	GAAGATGTGG	CCACGTCCCA	AGACGACTGT	TACAAGTTTG

FIG. 1B

CCATCTCACA GTCATCCACG GGCAGTGTTA TGGGAGCTGT TATCATGGAG
GGCTTCTACG TTGTCTTTGA TCGGGCCCGA AAACGAATTG GCTTTGCTGT
CAGCGCTTGC CATGTGCACG ATGAGTTCAG GACGGCAGCG GTGGAAGGCC
CTTTTGTCAC CTTGGACATG GAAGACTGTG GCTACAACAT TCCACAGACA
GATGAGTCAA CCCTCATGAC CATAGCCTAT GTCATGGCTG CCATCTGCGC
CCTCTTCATG CTGCCACTCT GCCTCATGGT GTGTCAGTGG CGCTGCCTCC
GCTGCCTGCG CCAGCAGCAT GATGACTTTG CTGATGACAT CTCCCTGCTG
AAG

5'-GGGAGCTGT-3'

FIG. 2A

ATGGCCCCAG	CGCTGCACTG	GCTCCTGCTA	TGGGTGGGCT	CGGGAATGCT
GCCTGCCCAG	GGAACCCATC	TCGGCATCCG	GCTGCCCCTT	CGCAGCGGCC
TGGCAGGGCC	ACCCCTGGGC	CTGAGGCTGC	CCCGGGAGAC	CGACGAGGAA
TCGGAGGAGC	CTGGCCGGAG	AGGCAGCTTT	GTGGAGATGG	TGGACAACCT
GAGGGGAAAG	TCCGGCCAGG	GCTACTATGT	GGAGATGACC	GTAGGCAGCC
CCCCACAGAC	GCTCAACATC	CTGGTGGACA	CGGGCAGTAG	TAACTTTGCA
GTGGGGGGCTG	CCCCACACCC	TTTCCTGCAT	CGCTACTACC	AGAGGCAGCT
GTCCAGCACA	TATCGAGACC	TCCGAAAGGG	TGTGTATGTG	CCCTACACCC
AGGGCAAGTG	GGAGGGGGAA	CTGGGCACCG	ACCTGGTGAG	CATCCCTCAT
GGCCCCAACG	TCACTGTGCG	TGCCAACATT	GCTGCCATCA	CTGAATCGGA
CAAGTTCTTC	ATCAATGGTT	CCAACTGGGA	GGGCATCCTA	GGGCTGGCCT
ATGCTGAGAT	TGCCAGGCCC	GACGACTCTT	TGGAGCCCTT	CTTTGACTCC
CTGGTGAAGC	AGACCCACAT	TCCCAACATC	TTTTCCCTGC	AGCTCTGTGG
CGCTGGCTTC	CCCCTCAACC	AGACCGAGGC	ACTGGCCTCG	GTGGGAGGGA
GCATGATCAT	TGGTGGTATC	GACCACTCGC	TATACACGGG	CAGTCTCTGG
TACACACCCA	TCCGGCGGGA	GTGGTATTAT	GAAGTGATCA	TTGTACGTGT
GGAAATCAAT	GGTCAAGATC	TCAAGATGGA	CTGCAAGGAG	TACAACTACG
ACAAGAGCAT	TGTGGACAGT	GGGACCACCA	ACCTTCGCTT	GCCCAAGAAA
GTATTTGAAG	CTGCCGTCAA	GTCCATCAAG	GCAGCCTCCT	CGACGGAGAA
GTTCCCGGAT	GGCTTTTGGC	TAGGGGAGCA	GCTGGTGTGC	TGGCAAGCAG
GCACGACCCC	TTGGAACATT	TTCCCAGTCA	TTTCACTTTA	CCTCATGGGT
GAAGTCACCA	ATCAGTCCTT	CCGCATCACC	ATCCTTCCTC	AGCAATACCT
ACGGCCGGTG	GAGGACGTGG	CCACGTCCCA	AGACGACTGT	TACAAGTTCG
CTGTCTCACA	GTCATCCACG	GGCACTGTTA	TGGGAGCCGT	CATCATGGAA

FIG. 2B

GGTTTCTATG TCGTCTTCGA TCGAGCCCGA AAGCGAATTG GCTTTGCTGT
CAGCGCTTGC CATGTGCACG ATGAGTTCAG GACGGCGGCA GTGGAAGGTC
CGTTTGTTAC GGCAGACATG GAAGACTGTG GCTACAACAT TCCCCAGACA
GATGAGTCAA CACTTATGAC CATAGCCTAT GTCATGGCGG CCATCTGCGC
CCTCTTCATG TTGCCACTCT GCCTCATGGT ATGTCAGTGG CGCTGCCTGC
GTTGCCTGCG CCACCAGCAC GATGACTTTG CTGATGACAT CTCCTGCTC
AAG

CGCTGCCTGC

FIG. 3A

ATGGCCCCGG CGCTGCGCTG GCTCCTGCTA TGGGTGGGCT CGGGAATGCT
GCCTGCCCAG GGAACCCATC TCGGTATCCG ACTGCCCCTT CGCAGCGGCC
TGGCAGGGCC ACCCCTGGGC CTGAGGCTGC CCCGGGAGAC GGACGAGGAA
CCTGAGGAGC CTGGCCGGAG AGGCAGCTTT GTGGAGATGG TGGACAACCT
GAGGGGAAAG TCCGGCCAGG GCTACTATGT GGAGATGACC GTGGGCAGCC
CCCCACAGAC GCTCAACATC CTGGTGGACA CGGGCAGTAG TAATTTTGCA
GTGGGGGGCTG CCCCACACCC TTTCCTGCAT CGATACTACC AAAGGCAGCT
GTCCAGTACA TACCGAGACC TCCGAAAGTC TGTGTATGTG CCCTACACCC
AGGGCAAGTG GGAGGGGGAA CTGGGCACTG ACCTGGTGAG CATCCCTCAT
GGCCCCAACG TCACTGTGCG TGCCAACATT GCTGCCATCA CTGAATCGGA
CAAGTTCTTC ATCAATGGTT CCAACTGGGA GGGCATCCTA GGGCTGGCCT
ATGCTGAGAT TGCCAGGCCT GACGACTCCT TGGAGCCCTT TTTTGACTCC
CTGGTGAAGC AGACCCACAT TCCGAACATC TTTTCCCTGC AGCTCTGTGG
CGCTGGCTTC CCCCTCAACC AGACTGAGGC ACTGGCCTCG GTGGGAGGGA
GCATGATCAT TGGTGGTATC GACCATTCCC TATACACTGG CAGTCTCTGG
TACACACCCA TCCGGCGGGA GTGGTATTAT GAAGTGATCA TTGTACGTGT
AGAAATCAAT GGTCAAGATC TGAAAATGGA CTGCAAGGAG TACAACATATG
ACAAGAGCAT CGTGGACAGT GGCACCACCA ACCTTCGTTT GCCCAAGAAA
GTATTTGAAG CTGCAGTCAA GTCCATCAAG GCAGCCTCCT CGACGGAGAA
GTTCCCGGAT GGCTTTTGGC TAGGGGAGCA GCTGGTGTGC TGGCAAGCAG
GCACGACCCC TTGGAACATT TTCCCAGTCA TTCACTTTA CCTCATGGGT
GAAGTCACCA ATCAGTCCTT CCGCATCACC ATCCTTCCTC AGCAATACCT
ACGGCCAGTG GAAGATGTGG CCACGTCCCA AGACGACTGT TACAAGTTCG

FIG. 3B

AAA

FIG. 4

MAQALPWLLL WMGAGVLP AH GTQHGIRLPL RSGLGGA PLG LRLPRETDEE
PEEPGRRGSF VEMVDNLRGK SGQGYV VEMT VGSPPQTLNI LVDTGSSNFA
VGAAPHPFLH RYYQRQLSST YRDLRKGVYV PYTQ GKWEGE LGTDLVSI PH
GPNVTVRANI AAITESDKFF INGSNWEGIL GLAYAEIARP DDSLEPFFDS
LVKQTHVPNL FSLQLCGAGF PLNQSEVLAS VGGSMIIGGI DHSLYTGSLW
YTPIRREWYY EVIIVRVEIN GQDLKMDCKE YNYDKSIVDS GTTNLRLPKK
VFEAAVKS IK AASSTEKFPD GFWLGEQLVC WQAGTTPWNI FPVISLYLMG
EVTNQSF RIT ILPQQYL RPV EDVATSQDDC YKFAISQSST GTVMGAVIME
GFYVVFDRAR KRIGFAVSAC HVHDEFRTAA VEGPFVTLDM EDCGYNIPQT
DESTLMTIAY VMAAICALFM LPLCLMVCQW RCLRCLRQQH DDFADDISLL
K

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FIG. 5

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FIG. 6

MAPALRWLLL WVGSGMLPAQ GTHLGIRLPL RSGLAGPPLG LRLPRETDEE
PEEPGRRGSF VEMVDNLRGK SGQGYVEMT VGSPPQTLNI LVDTGSSNFA
VGAAPHPFLH RYYQRQLSST YRDLRKSVYV PYTQGWEGE LGTDLVSI PH
GPNVTVRANI AAITESDKFF INGSNWEGIL GLAYAEIARP DDSLEPFFDS
LVKQTHIPNI FSLQLCGAGF PLNQTEALAS VGGSMIIGGI DHSLYTGSLW
YTPIRREWYY EVIIVRVEIN GQDLKMDCKE YNYDKSIVDS GTTNLRLPKK
VFEEAVKSIK AASSTEKFPD GFWLGEQLVC WQAGTTPWNI FPVISLYLMG
EVTNQSFRI T ILPQQYLRPV EDVATSQDDC YKFAVSQSST GTVMGAVIME
GFYVVFDRAR KRIGFAVSAC HVHDEFRTAA VEGPFVTADM EDCGYNIPQT
DESTLMTIAY VMAAICALFM LPLCLMVCQW RCLRCLRHHQ DDFADDISLL
K

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FIG. 7

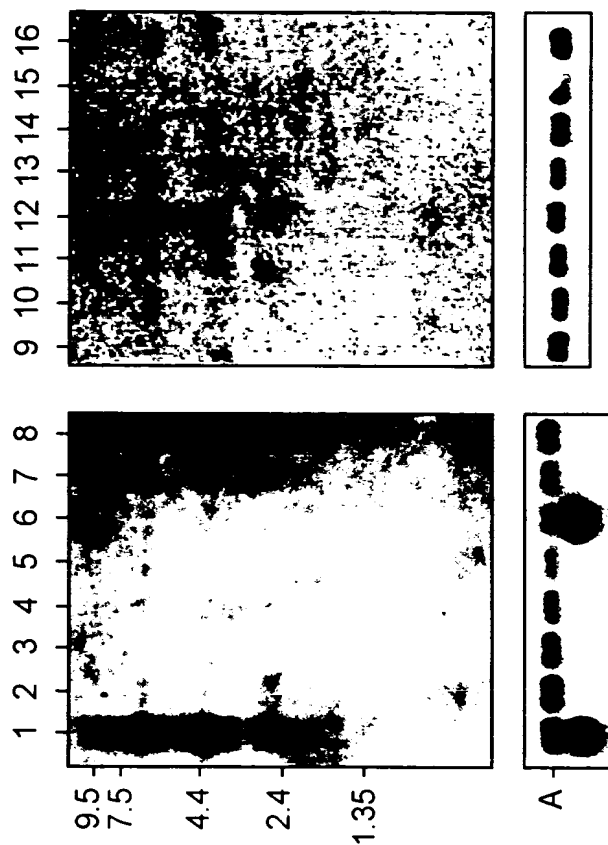


FIG. 8

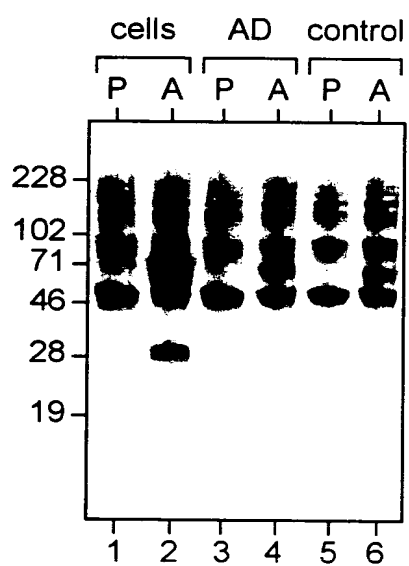


FIG. 9A

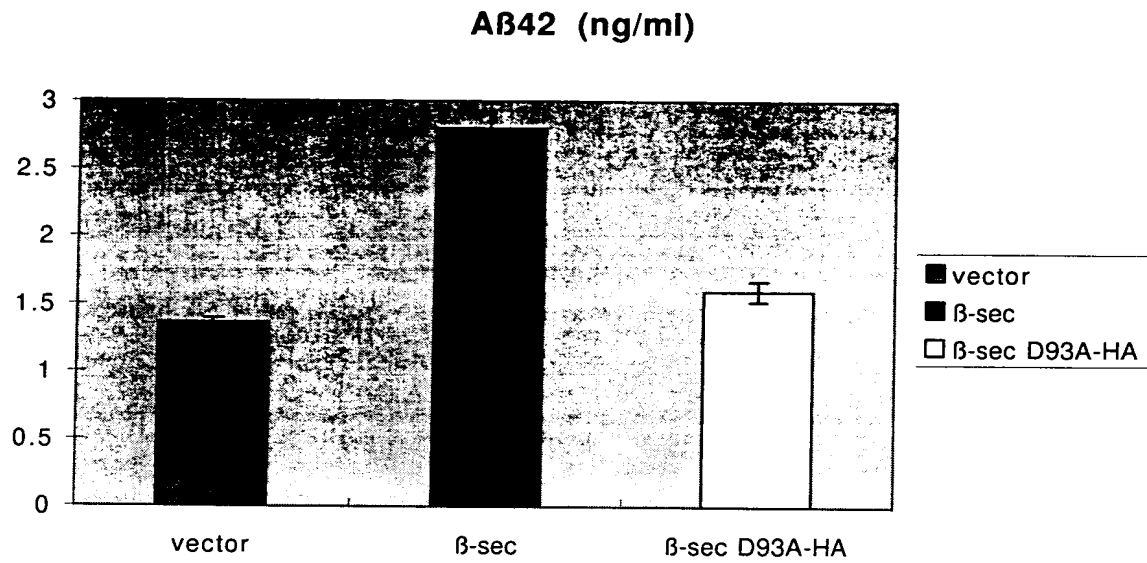


FIG. 9B

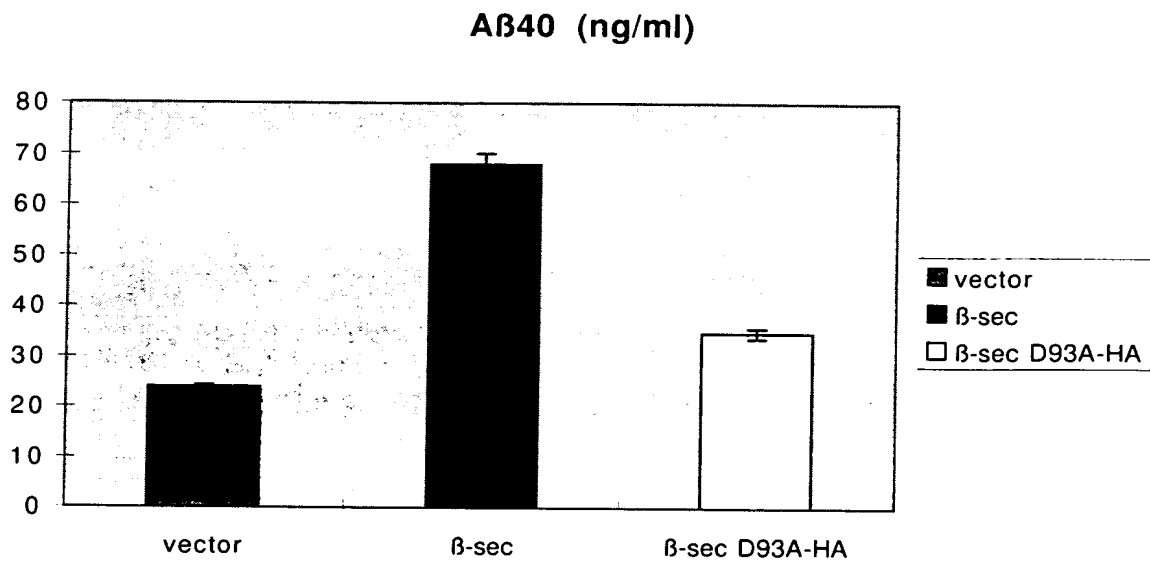


FIG. 10

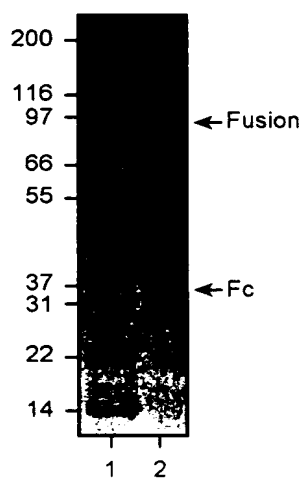


FIG. 11

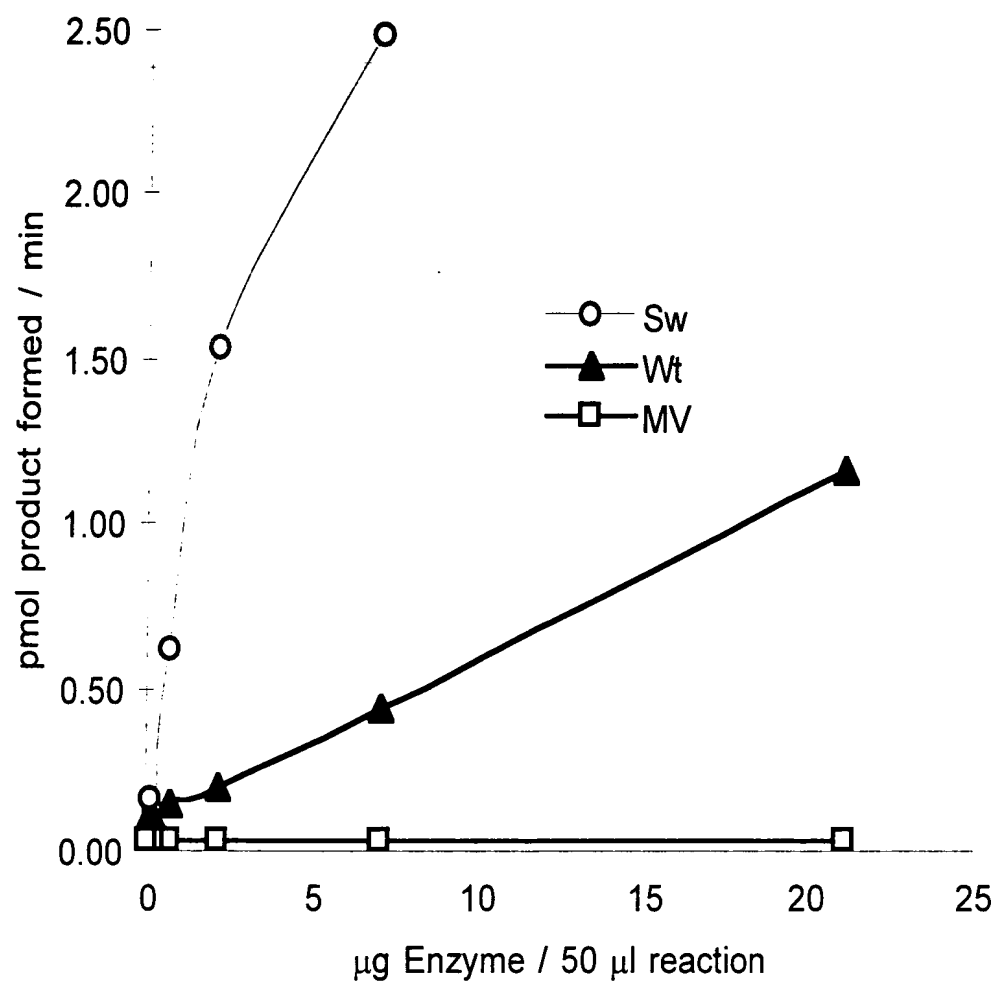


FIG. 12

